

**Lunedì 10 Luglio**

9:30 11:00

**Registrazione**

**AULA E2**

11:00 11:20

**Benvenuto e Saluti delle Autorità**

**Prof. Luigi Dei - Magnifico Rettore dell'Università degli Studi di Firenze**

**Prof. Giorgio Zauli - Magnifico Rettore dell'Università degli Studi di Ferrara**

**Chairpersons: Aldo Laganà, Danilo Corradini, Mara Mirasoli**

11:20 11:40

Trifirò Ferruccio

Etica e Chimica: la passione e l'impegno di Francesco Dondi

**Plenary lecture**

11:40 12:00

Gasparrini Francesco

On the use of the sub-2µm Chiral Stationary Phases in enantioselective Ultra-High Performance Chromatography (UHPLC/UHPSFC)

**Plenary lecture**

12:00 12:20

Dugo Giovanni

Un viaggio di mezzo secolo attraverso la Chimica degli alimenti e la Scienza delle Separazioni

**Plenary lecture**

12:20 12:40

Mangia Alessandro

Un percorso nella Chimica Analitica

**Plenary lecture**

12:40 12:45

Consegna medaglia "G. Dugo" a prof.ssa **Dugo Paola**

12:45 12:50

Consegna medaglia "G. Dugo" a prof.ssa **Marchelli Rosangela**

12:50 12:55

Consegna medaglia "A. Mangia" a prof. **Roda Aldo**

**13:00 14:30**

**pranzo e sessione poster**

**AULA E2**

**Chairpersons: Luigi Mondello, Mara Mirasoli**

14:35 14:55

**Capriotti Anna Laura**

Recent trends in bioactive peptides analysis

Vincitore giovane - Sezione Scienza Separazioni

14:55 15:15

**Piovesana Susy**

Shotgun Phosphoproteomics of Complex Real Samples by New Magnetic Materials

Vincitore giovane - Sezione Bioanalitica

**SCIENZA SEPARAZIONI - AULA E2**

**Chairpersons: Achille Cappiello, Giampiero Adami**

15:15 15:35

Sciarrone Danilo **keynote**

Three-Dimensional GC-Prep Coupled To Spectroscopic Analysis As A Tool For Structural Identification Of Unknown Molecules

15:35 15:55

Vecchiotti Davide **Shimadzu**

Enhancing MS/MS spectral libraries: improved approaches using triple quadrupole mass spectrometer

15:55 16:15

Sciarrone Danilo **DANI**

Reliable Compound Identification by Means of GC-TOF- MS Analysis and Spectral Search with the Simultaneous Use of Linear Retention Index

**BIOANALITICA - AULA E1**

**Chairpersons: Maria Careri, Giuseppe Palleschi**

15:15 15:35

Cinti Stefano **keynote**

Paper as Substrate in Bioelectroanalysis for Healthcare Applications

15:35 15:50

Baggiani Claudio

How Can We Evaluate the Binding Properties of Molecularly Imprinted Polymers without the Misleading Current Approach?

15:50 16:05

Giannetto Marco

Competitive amperometric immunosensor for determination of p53 protein in urine with carbon nanotubes/gold nanoparticles screen printed electrodes: a rapid and noninvasive screening tool for early diagnosis of bladder carcinoma

16:05 16:20

Risoluti Roberta

TGA/Chemometrics Approach In Bioanalytical Investigations: The Screening of Sickle Cell Anemia

**16:25 16:50**

**coffee break e sessione poster**

**Chairpersons: Massimo del Bubba, Alberto Cavazzini**

16:50 17:05

Frapiccini Emanuela

PAHs in Mullus barbatus of North Adriatic Sea: Determination by HPLC, After QuEChERS Method Extraction

17:05 17:20

Ancillotti Claudia

LC-MS/MS Methods for Metabolomics: from Fruits to Biofluids

17:20 17:35

Catani Martina

Kinetic Performance Of New Core-Shell And Sub-2µm Fully Porous Pirkle-type Chiral Stationary Phases For Ultrafast Enantioseparations

17:35 17:50

Micalizzi Giuseppe

Method Optimization for Elucidation of Human Blood Fatty Acid Methyl Esters by Using Conventional and Fast Gas Chromatography

17:50 18:05

Oteri Marianna

Carotenoid Fingerprinting in a Paprika Sample by Supercritical Fluid Chromatography×Ultra High Pressure Liquid Chromatography and Mass Spectrometry Detection

18:05 18:20

La Barbera Giorgia

Untargeted metabolic profiling by means of UHPLC-QTOF/MS for the identification of meat and dairy products biomarkers.

18:20 18:35

Felletti Simona

Evaluation Of Excess And Adsorption Isotherms In Chiral Stationary Phases

**Chairpersons: Sara Bogialli, Chiara Cavaliere**

16:50 17:05

Arigò Adriana

Supercritical Fluid Chromatography coupled to Tandem Mass Spectrometry for Limonoid Aglycones Detection in Citrus Essential Oils

17:05 17:20

Orsini Francesca

Identification of Plant Secondary Metabolites by HPTLC-ESI-MS and Assessment of their Antioxidant Activity by a HPTLC-DPPH Method

17:20 17:35

Calvano Cosima Damiana

Structural Characterization of Croconaine Dyes by MALDI-ToF/Tof Mass Spectrometry Analysis

17:35 17:50

Zenezini Chiozzi Riccardo

Protein Corona Sensor Array Nanosystem for Multivariate Cancer Detection

17:50 18:05

Robotti Elisa

Mitochondrial Proteome Modifications due to eIF6 Depletion by UHPLC-QTOF MS/MS with SWATH-MS Acquisition

18:05 18:20

Ferrone Vincenzo

Three-Dimensional Graphene/Fe3O4 Nanocomposite Based Dispersive Magnetic Solid Phase Extraction Coupled With UHPLCPDA For Simultaneous Determination Of NSAIDs In Human Plasma

**20:00**

**cena sociale**

**Martedì 11 Luglio**

**SCIENZA SEPARAZIONI - AULA E2**

**Chairpersons: Aldo Laganà, Danilo Corradini**

9:00	9:20	Bianchi Federica <i>keynote</i>	The role of selective materials in sample treatment and analyte detection
9:20	9:35	Montone Carmela Maria	Determination of Mycotoxins in Cereals by a Rapid Magnetic Solid Phase Extraction Method followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis
9:35	9:50	Bergantin Caterina	Qualitative And Quantitative Differences In Carotenoid Profile Among Two Varieties Of Pumpkins By HPLC-DAD Analysis with a C30 column
9:50	10:10	Barbieri Marica <i>Agilent</i>	Il potere della Cromatografia Bidimensionale 2D-LC per l'analisi quantitativa e qualitativa in matrici complesse.
10:10	10:25	Schepis Antonino	Novel Simultaneous Detection by Isotope Ratio Mass Spectrometry and Quadrupole Mass Spectrometry Coupled to Multidimensional Gas Chromatography for the Analysis of Valuable Food Products
10:25	10:45	Pantò Sebastiano <i>LECO</i>	Development of a GCXGC-TOFMS methods for the quantification of the extended list of suspected allergens in fragrances materials
10:45	11:00	Vincenti Flaminia	Different Strategies For Extraction Of Illicit Drugs In Hair By Means UHPLC-HRMS/MS
11:00	11:15	Pasquini Benedetta	Enantioseparation and Impurity Determination of Cinacalcet using Solvent Modified Capillary Zone Electrophoresis and Quality by Design: Study of the Complexation with Cyclodextrins by Molecular Modeling and NMR

**11:15 11:50**

*coffee break e sessione poster*

**Chairpersons: Paola Dugo, Paolo Pastore**

11:50	12:05	Tripodo Giusy	Analysis of bioactive phenolic compounds in different hazelnut kernels by RP-HPLC/PDA/ESI-MS.
12:05	12:20	Termopoli Veronica	Novel aspects and performance evaluation of a liquid-El LC-MS interface
12:20	12:40	Volders Filip <i>Elementar</i>	An LC-IRMS Interface for Flexible Compound-specific Stable Isotope Analysis
12:40	12:55	Chenet Tatiana	Bivalve Mollusk Shells as a Low-Cost Biosorbent for Water Remediation
12:55	13:10	Piparo Marco	Fast Cryogenic Comprehensive Two-dimensional Gas Chromatography-mass Spectrometry: Concept, Method Optimization and Applications in the Lipid Field

**13:10 14:05**

*pranzo e sessione poster*

**Chairpersons: Tommaso Cataldi, Chiara Fanali**

14:05	14:20	Agostini Alessandro <i>FKV</i>	Nuovi sviluppi nella Spettrometria NMR da banco: affidabilità analitica, precisione di misura e sicurezza di utilizzo
14:20	14:35	Piergiovanni Maurizio	Determination Of Benzodiazepines In Beverages Using Green Extraction Methods And HPLC-UV Detection
14:35	14:50	Mangraviti Domenica	Comprehensive Two-dimensional Liquid Chromatography Coupled to Mass Spectrometry for Elucidation of the Polyphenolic Fraction of Pistacia vera from Different Geographical Origin
14:50	15:05	Rivoira Luca	Chromatographic determination of biogenic amines in wines by novel detection approaches
15:05	15:20	Truzzi Cristina	Global Warming: Influence of Raising Temperature on Fatty Acid Composition of Muscle of Antarctic Teleost Trematomus Bernacchii, Analysed by Gas-Chromatography Mass-Spectrometry
15:20	15:35	Ventura Giovanni	Characterization of Vitamin B12-Pt(II) Conjugates by RPLC-ESI-MS
15:35	15:50	Di Gangi Iole Maria	Liquid Chromatography-High Resolution Mass Spectrometry For The Correct Identification Of The Cyanotoxin BMAA
15:50	16:05	Manarini Francesco	Optimization of an ultrasound-assisted derivatization for GC/MS analysis of oxygenated organic species in atmospheric aerosol
16:05	16:20	Ismail Omar	Teicoplanin Chiral Stationary Phases on 2.0 µm and 2.7 µm Superficially Porous Particles: Chromatographic Evaluation And Comparison With Teicoplanin On 1.9 µm Fully Porous Particles

**16:20 16:30**

*chiusura lavori*

**BIOANALITICA - AULA E1**

**Chairpersons: Claudio Baggiani, Danila Moscone**

9:00	9:20	Zanigheri Martina <i>keynote</i>	Latest advances in ultrasensitive chemiluminescent lateral flow immunoassay biosensors for the multiplex detection of mycotoxins in food and beverage
9:20	9:35	Anfossi Laura	Dual Signal Readout for Sensitive Detection Of Fluorescence Immunochemical Test Strip
9:35	9:50	Di Nardo Fabio	Recent Strategies for Multiplex Immunochemical Strip Test Based on Noble Metal Nanoparticles
09:50	10:05	Arduini Fabiana	Paper-based (bio)sensors for the detection of chemical warfare agents
10:05	10:20	Calabria Donato	Smartphone-based reflectance biosensor for rapid detection of oxidase substrates using confined "wafer-like" multilayer paperbased enzymatic assays.
10:20	10:35	Costantini Francesca	A Versatile Aptasensor Material for Lab-on-Chip Applications
10:35	10:50	Badocco Denis	Prototype of an optical sensor for oxygen measurements in oenological matrices
10:50	11:05	Marassi Valentina	Separation And Characterisation Of Exosomal Subpopulations Through Flow Field-Flow Fractionation

**Chairpersons: Mara Mirasoli, Renato Seeber**

11:50	12:05	Giovannoli Cristina	Effect of Surfactants on the Binding Properties and Selectivity of Molecularly Imprinted Polymers
12:05	12:20	Zanardi Chiara	Nanosized materials in amperometric sensing
12:20	12:35	Bettazzi Francesca	Evaluation of sample preparation methods for the determination of PBDE in foodstuff by immuno-assay-based screening methods
12:35	12:50	Della Pelle Flavio	Microextraction techniques coupled to different carbon black based electrochemical detection strategy: application to carbamates analysis
12:50	13:05	Battaglia Ivano <i>LabService</i>	Environmental odor pollution. A GC-MS/O study with OdorPrep sampling approach